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Emerging Topic Detection in Twitter Stream based on High Utility Pattern Mining

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Highlights

- We propose a topic detection method for Twitter using High Utility Pattern Mining.
- For every chunk of tweets, the minimum utility threshold is determined dynamically.
- A method using a Topic-tree is presented for postprocessing after applying HUPM.
- The proposed method shows superior topic recall performance than other methods.
- The proposed method has short running time suitable for real-time application.

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